

ABSTRACT OF THE DISCLOSURE

The electronic imaging apparatus comprises a first optical element A having a flat surface and a surface with refracting power, chemical substance which enables to change light transmittance by chemical change according to electric quantity, a second optical element having a transparent surface and a flat surface, and an optical system having an optical component arranged so as to sandwich the chemical substance by a surface of the first optical element and a surface of the second optical element.

Here the spectrum transmittance at whole range of $\tau_{\min} \leq \tau_{520} \leq \tau_{\max}$ satisfies the following conditions when the whole transmittance of the first optical element, the chemical substance and the second optical element at the wavelength of 520nm is τ_{520} ,

$$0.70 < \tau_{440} / \tau_{520} < 1.20$$

$$0.80 < \tau_{600} / \tau_{520} < 1.30$$

where τ_x (x is a number) is the transmittance at the wavelength of xnm.